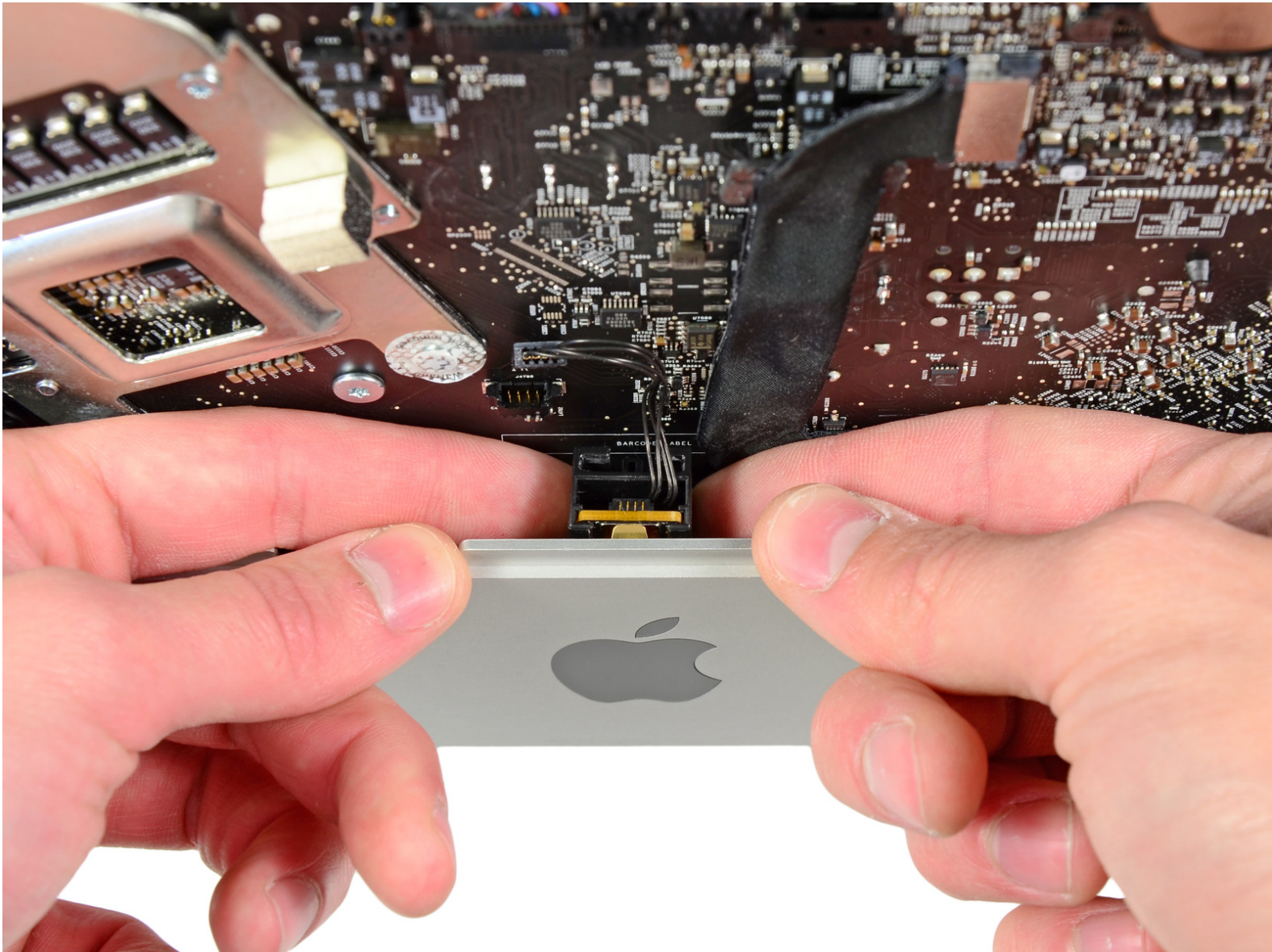




iMac Intel 21.5" EMC 2428 IR Board Replacement

Replace the IR board in your iMac Intel 21.5" EMC 2428.

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INTRODUCTION

Use this guide to replace the sleep light/IR board.

TOOLS:

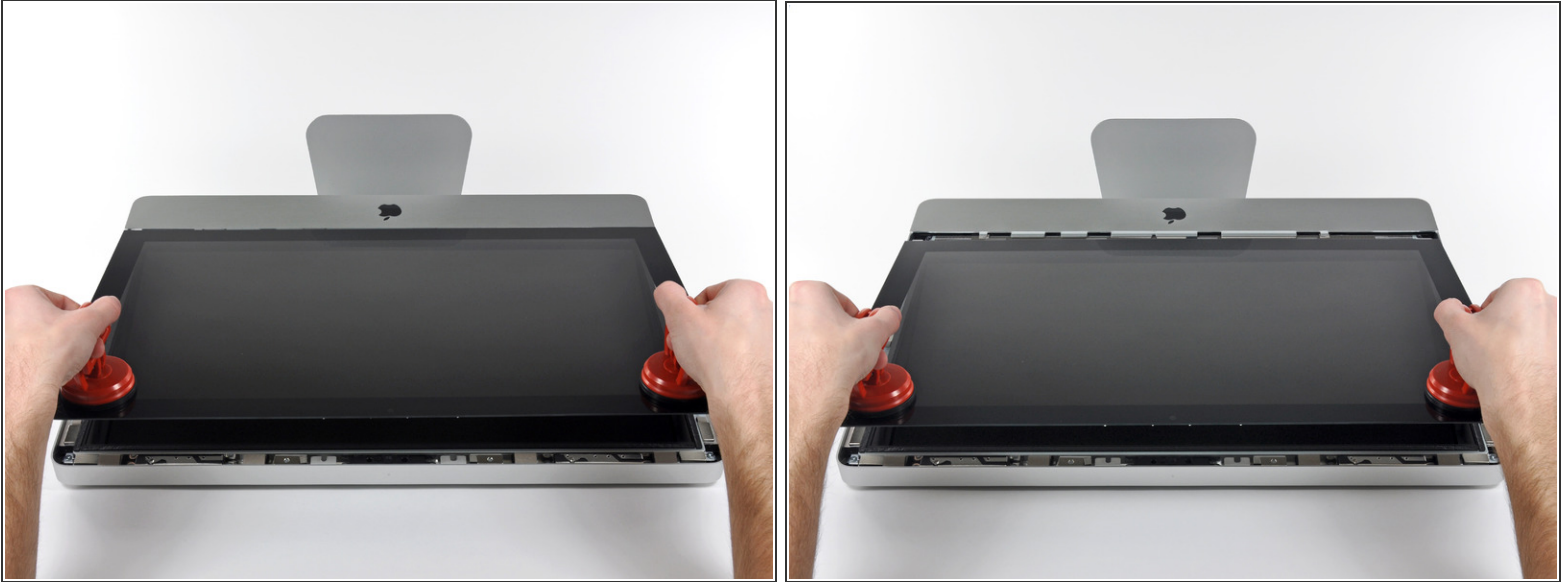
- [Heavy-Duty Suction Cups \(Pair\)](#) (1)
 - [T10 Torx Screwdriver](#) (1)
-

Step 1 — Glass Panel



- ⓘ Before beginning, unplug your iMac and lay it on a soft surface as shown.
 - Stick a suction cup near each of the two top corners of the glass panel.
- ⓘ To attach the [suction cups](#) we sell, first position the suction cup with the movable handle parallel to the face of the glass panel. While lightly holding the suction cup against the glass, raise the movable handle until it is parallel with the other handle.
- If your suction cups refuse to stick, try cleaning both the glass panel and the suction cup with a mild solvent.

Step 2



- Gently lift the glass panel perpendicular to the face of the LCD enough to clear the steel mounting pins attached along the underside of the top edge of the glass panel.
 - Pull the glass panel away from the lower edge of the iMac and carefully set it aside.
- ✦ During reinstallation, be sure to meticulously clean the inside of the glass panel and the face of the LCD as any dust or fingerprints trapped inside will be annoyingly visible when the machine is turned on.

Step 3 — Display



- Remove the eight 8 mm T10 Torx screws securing the display to the outer case.
- i** The last two pictures are detail shots of each side of the display.

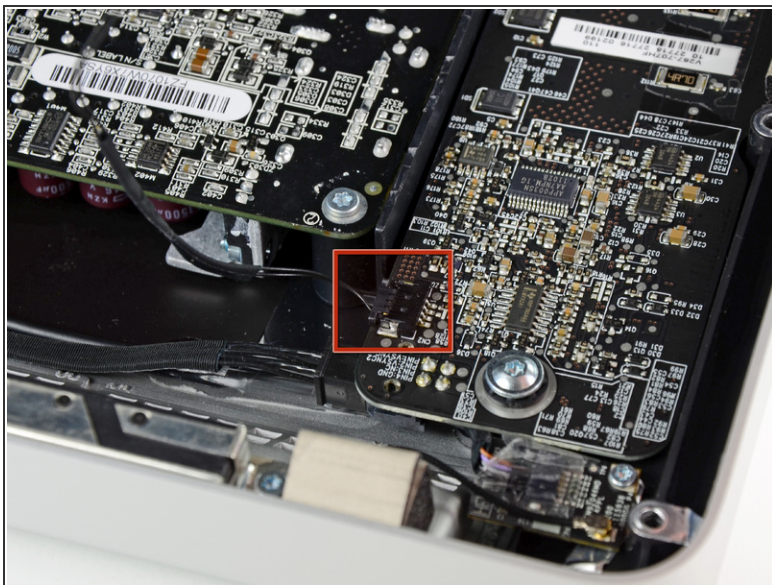
Step 4



- Slightly lift the top edge of the display out of the outer case.

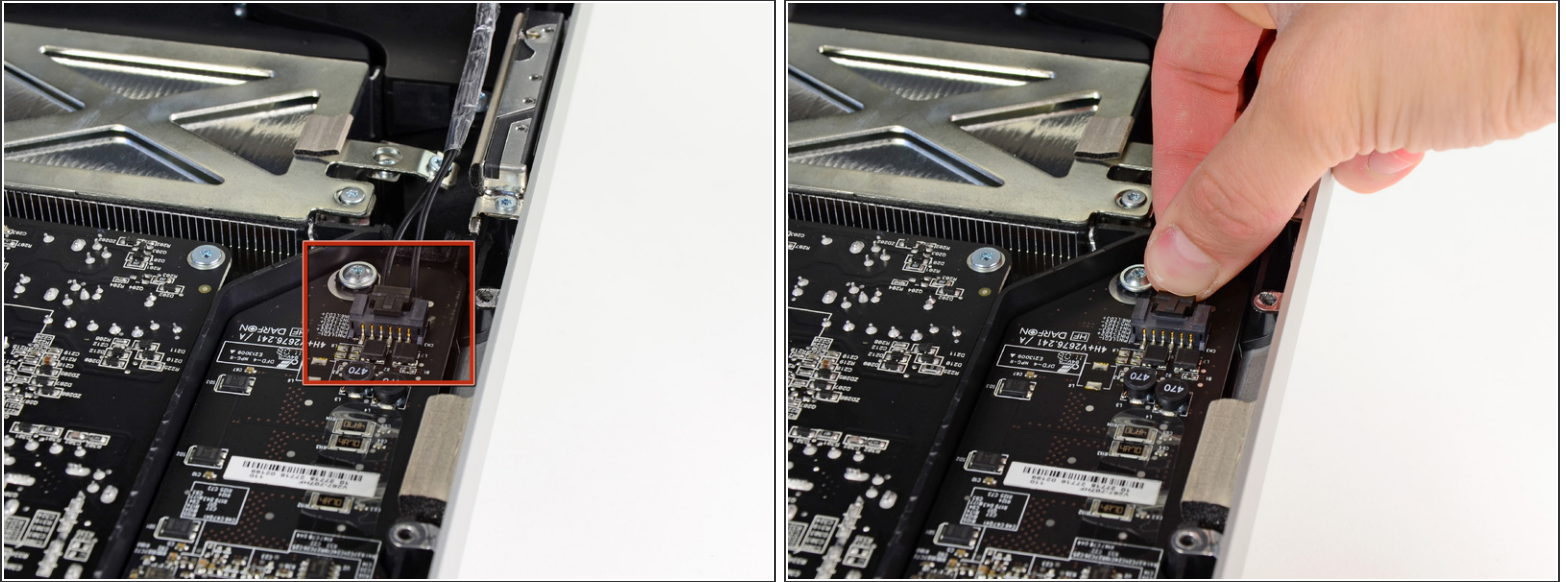
⚠ Do not lift it too much. There are several cables attaching the display to the logic board.

Step 5



- Pull the vertical sync cable connector out of its socket on the LED driver board near the top left corner of your iMac.

Step 6



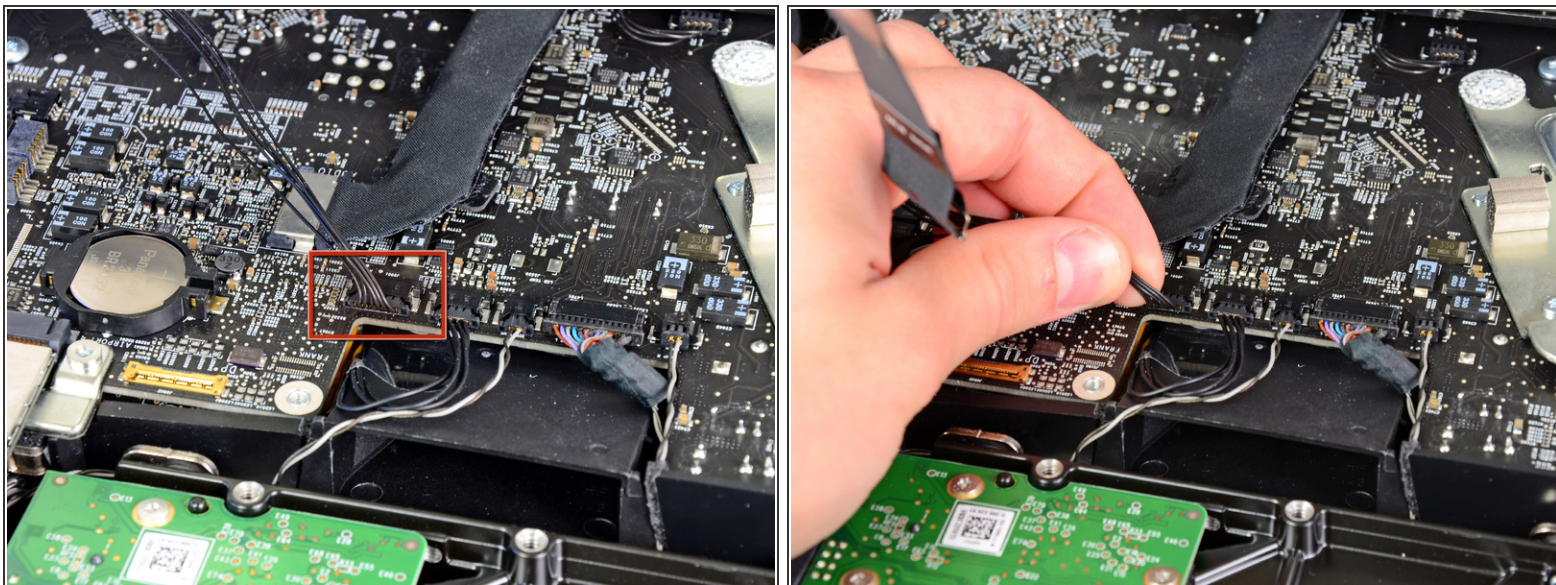
- Rotate the display out of the outer case enough to disconnect the LED backlight power cable from the LED driver board.
- ⓘ Disconnect the LED backlight power cable by depressing the locking mechanism while pulling the connector away from its socket (toward the bottom edge of the iMac).

Step 7



- Grab the plastic pull tab secured to the display data cable lock and rotate it towards upwards.
- Pull the display data cable straight out of its socket on the logic board.
- ⓘ Do not lift up on the display data cable, as its socket is very fragile. Pull the cable parallel to the face of the logic board.

Step 8



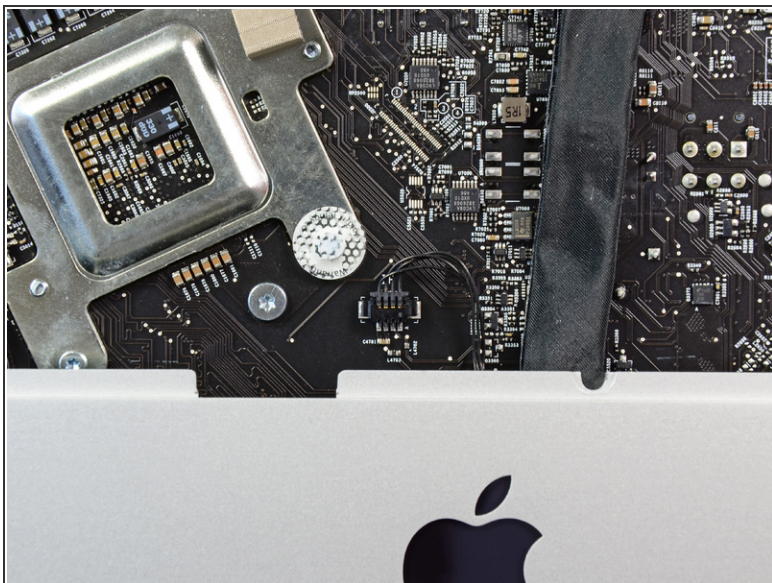
- Disconnect the LCD thermal sensor cable connector from its socket on the logic board.

Step 9



- Carefully pull the display toward the top edge of your iMac and lift it out of the outer case, minding any cables that may get caught.

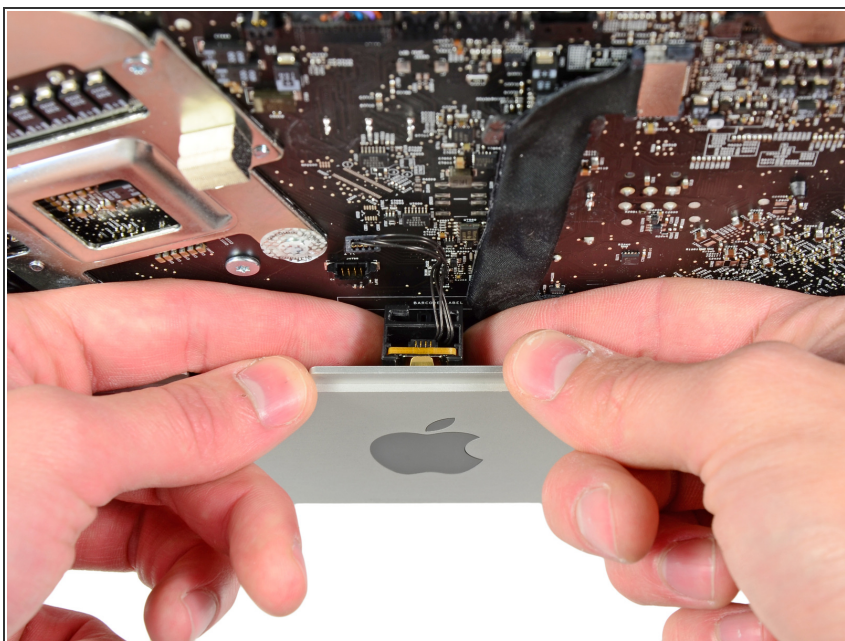
Step 10 — IR Board



i If present, remove the piece of clear tape covering the IR board connector.

- Pull the IR board connector toward the top of the iMac to disconnect it from the logic board.

Step 11



- Use your fingers to lift IR sensor assembly straight up and out of the outer case.

To reassemble your device, follow these instructions in reverse order.

